

FIG. 1 PRIOR ART

707E20 = 49687660

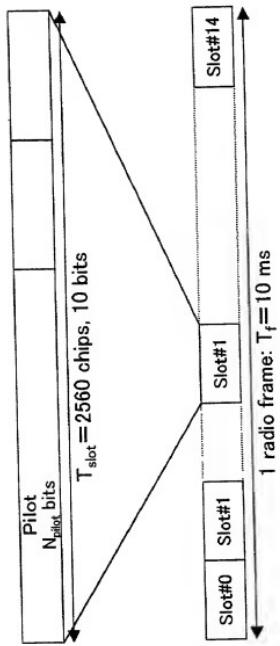


FIG. 2 PRIOR ART

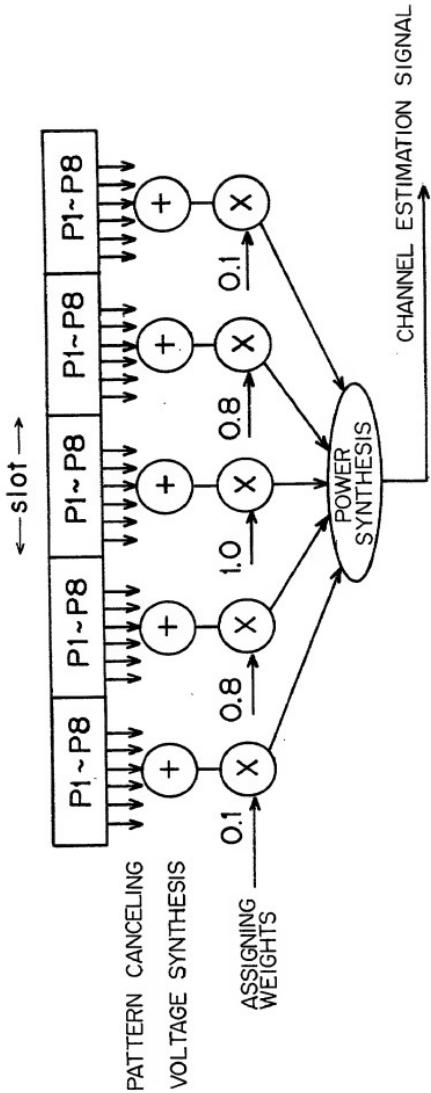


FIG. 3 PRIOR ART

FIGURE C-0 "4968T660

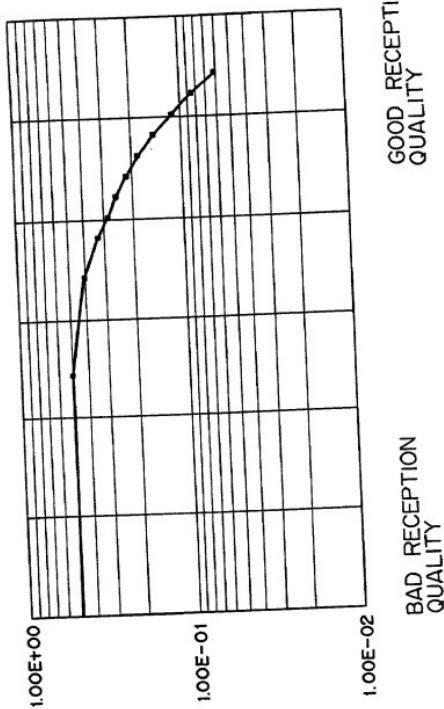


FIG. 4 PRIOR ART

TO THE "H968T66D

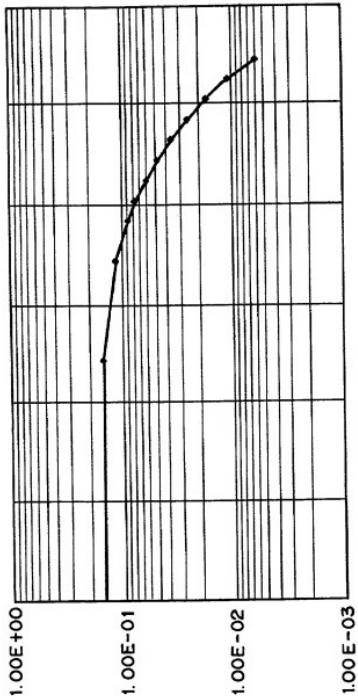


FIG. 5 PRIOR ART

TOTEZD01-h968T660

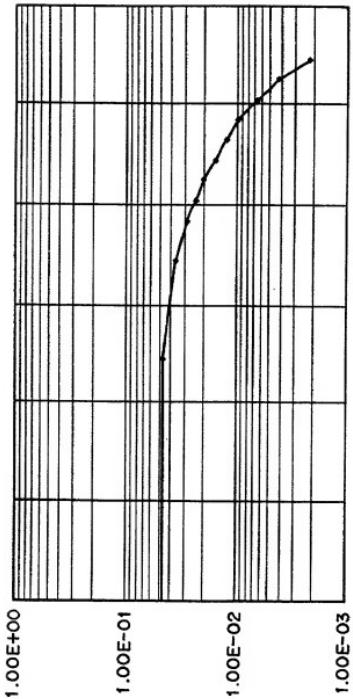


FIG. 6 PRIOR ART

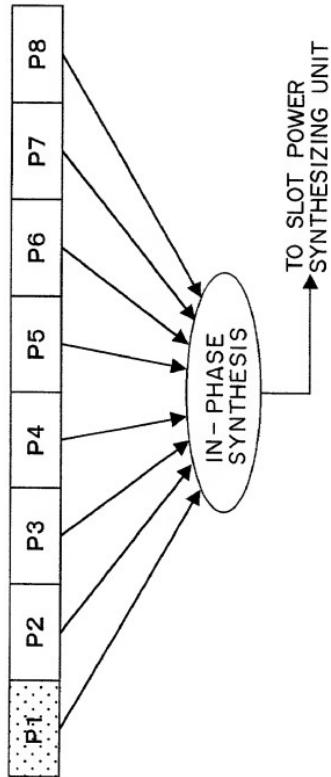


FIG. 7

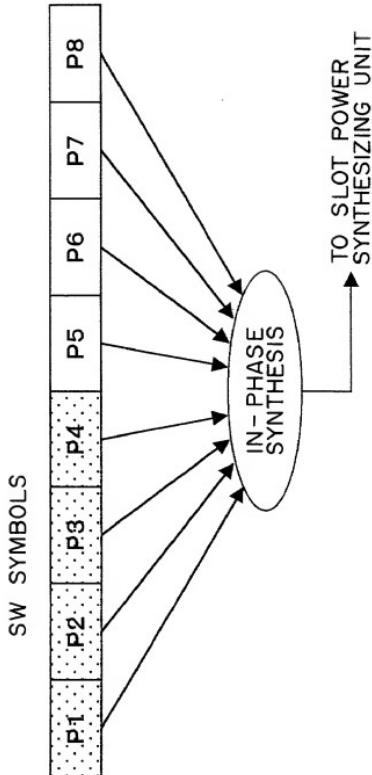


FIG. 8

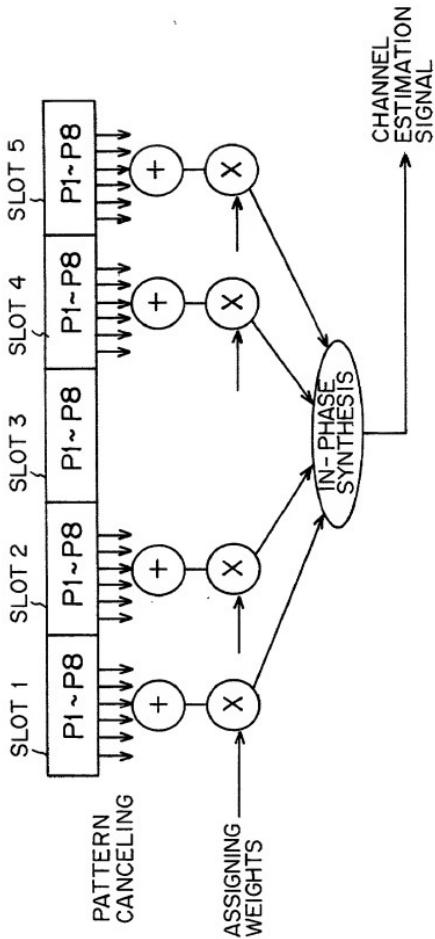


FIG. 9

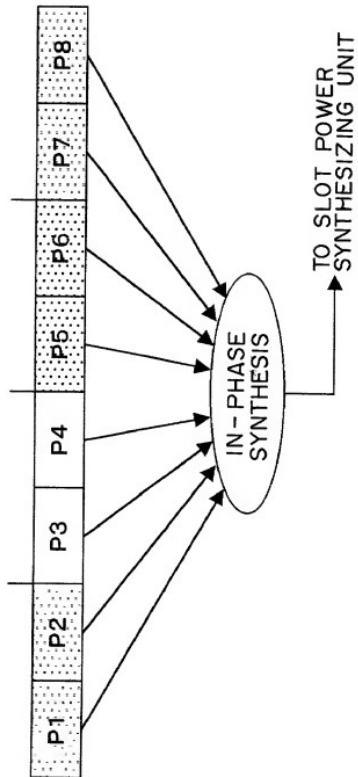


FIG. 10

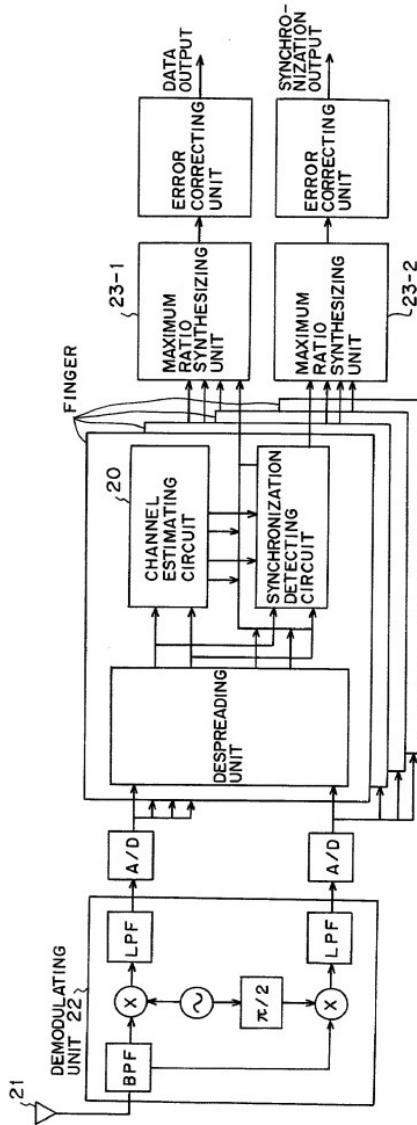


FIG. 11

PILOT PATTERNS
NUMBER OF SYMBOLS :
VERIES DEPENDING
ON SLOT

1slot	1,1,1, ... -1,1,1
2slot	1,1,1, ... -1,-1,1
3slot	1,-1,1, ... 1,-1,1
4slot	1,-1,1, ... -1,-1,1
5slot	1,-1,-1, ... -1,-1,1
6slot	1,-1,-1, ... -1,-1,1
7slot	1,-1,-1, ... -1,-1,1
8slot	1,-1,-1, ... -1,-1,1
9slot	1,-1,1, ... 1,-1,1
10slot	1,-1,1, ... 1,-1,1
11slot	1,-1,1, ... 1,-1,1
12slot	1,-1,1, ... 1,-1,1
13slot	1,-1,1, ... -1,-1,1
14slot	1,-1,-1, ... -1,-1,1
15slot	1,-1,-1, ... -1,-1,1

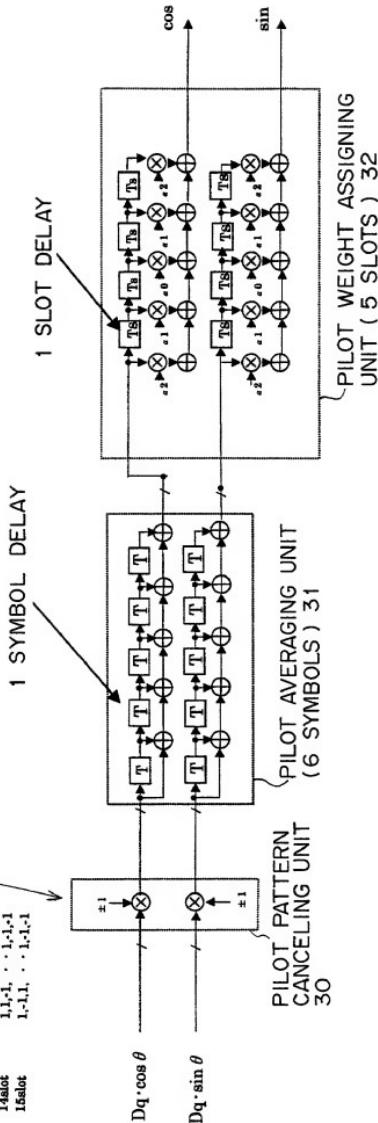
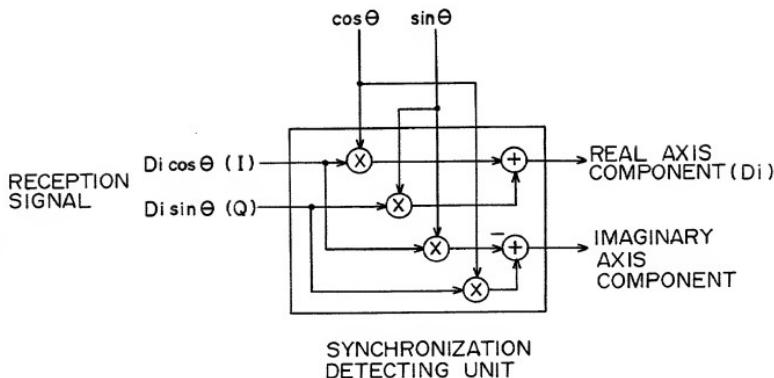


FIG. 12

CH ESTIMATION VALUE



F I G. 13

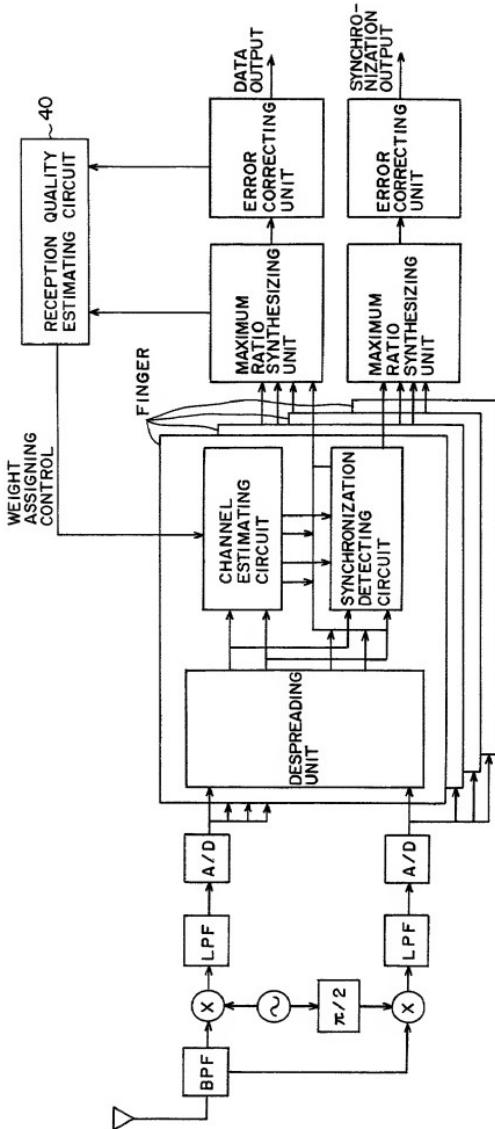


FIG. 14

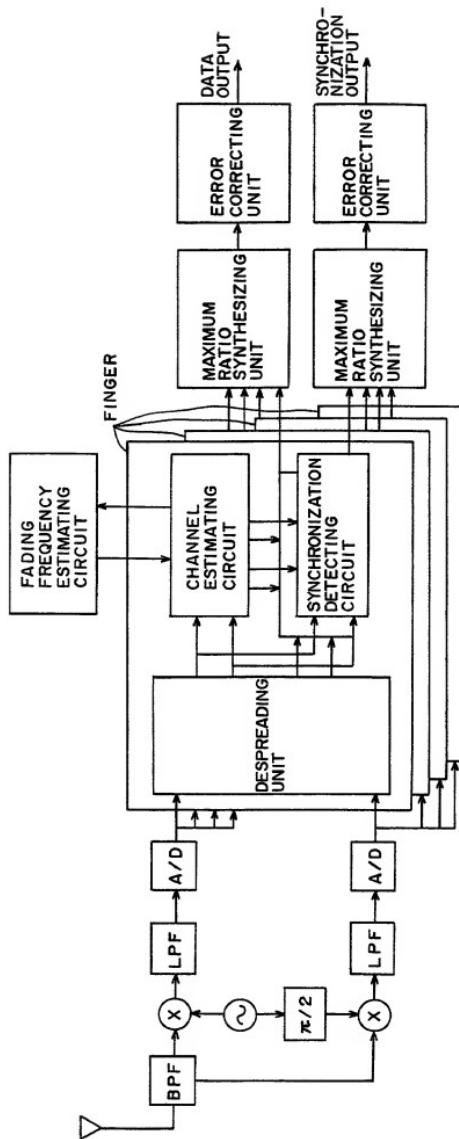


FIG. 15

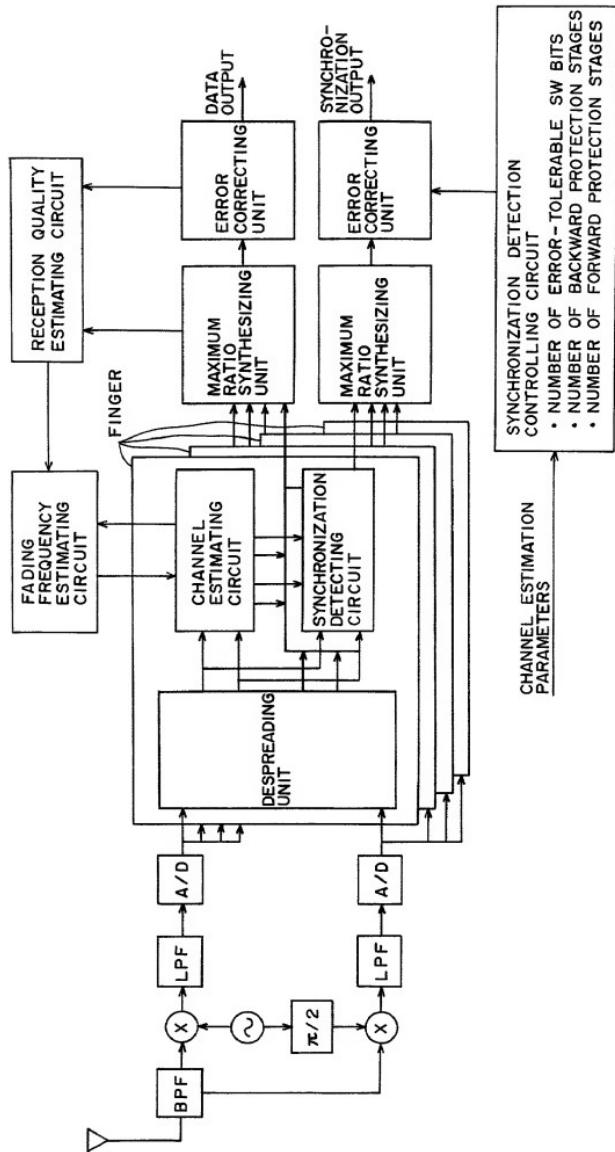
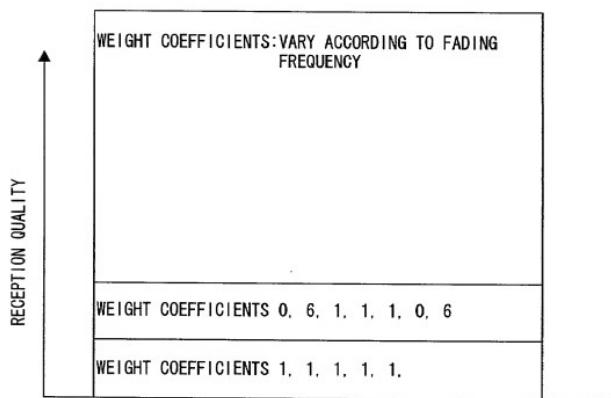


FIG. 16

FADING FREQUENCY	↑
WEIGHT COEFFICIENTS 0, 0, 1, 0, 0	
WEIGHT COEFFICIENTS 0, 0, 3, 1, 0, 3, 0	
WEIGHT COEFFICIENTS 0, 0, 6, 1, 0, 6, 0	
WEIGHT COEFFICIENTS 0, 4, 0, 8, 1, 0, 8, 0, 4	
WEIGHT COEFFICIENTS 0, 6, 1, 1, 1, 0, 6	
WEIGHT COEFFICIENTS 1, 1, 1, 1, 1	

FIG. 17



F I G. 18

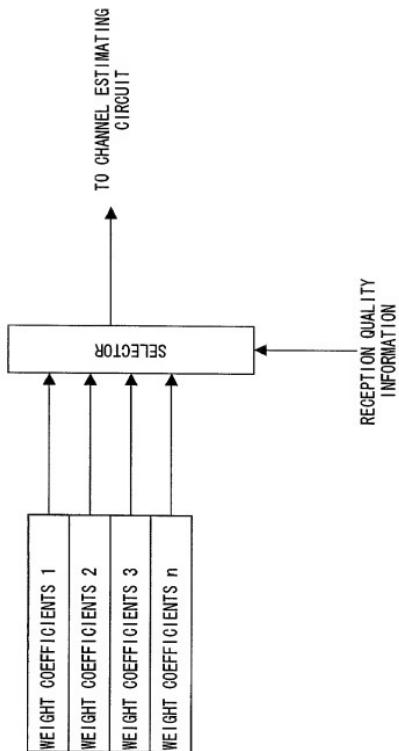


FIG. 19

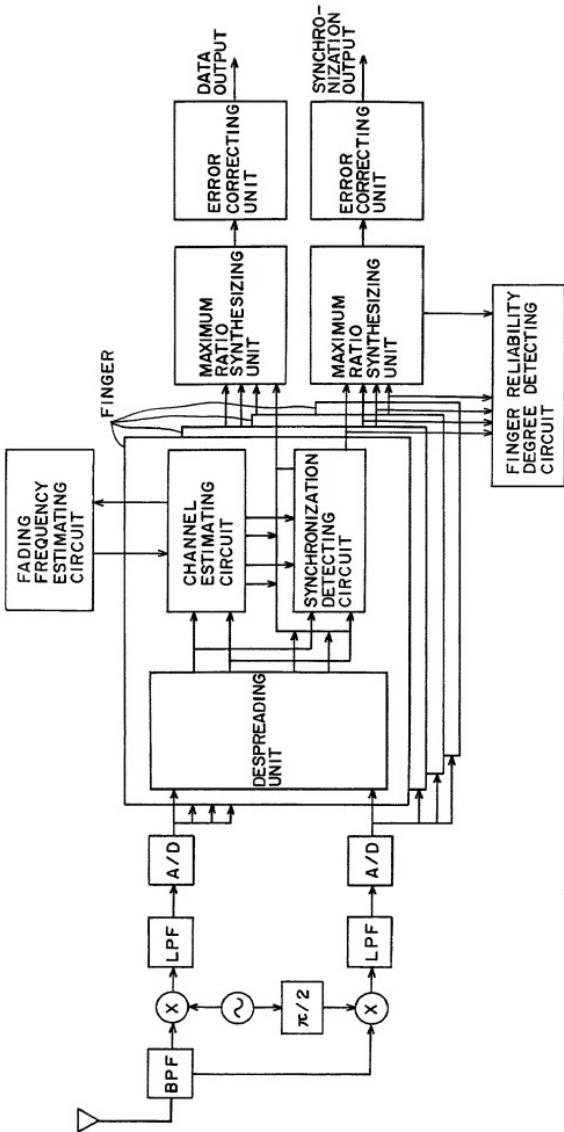


FIG. 20